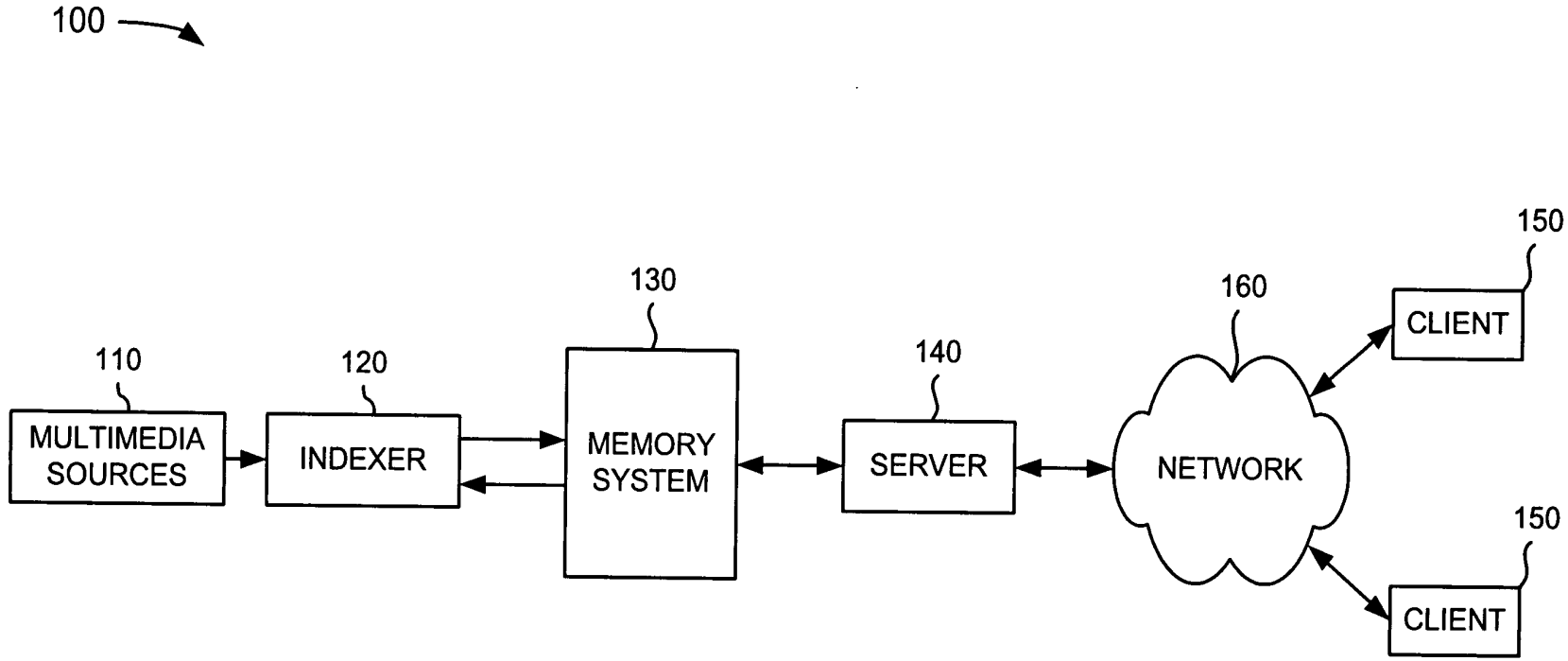

100
110
MULTIMEDIA SOURCES
120
INDEXER
130
MEMORY SYSTEM
140
SERVER
160
NETWORK
150
CLIENT
150
CLIENT

FIG. 1

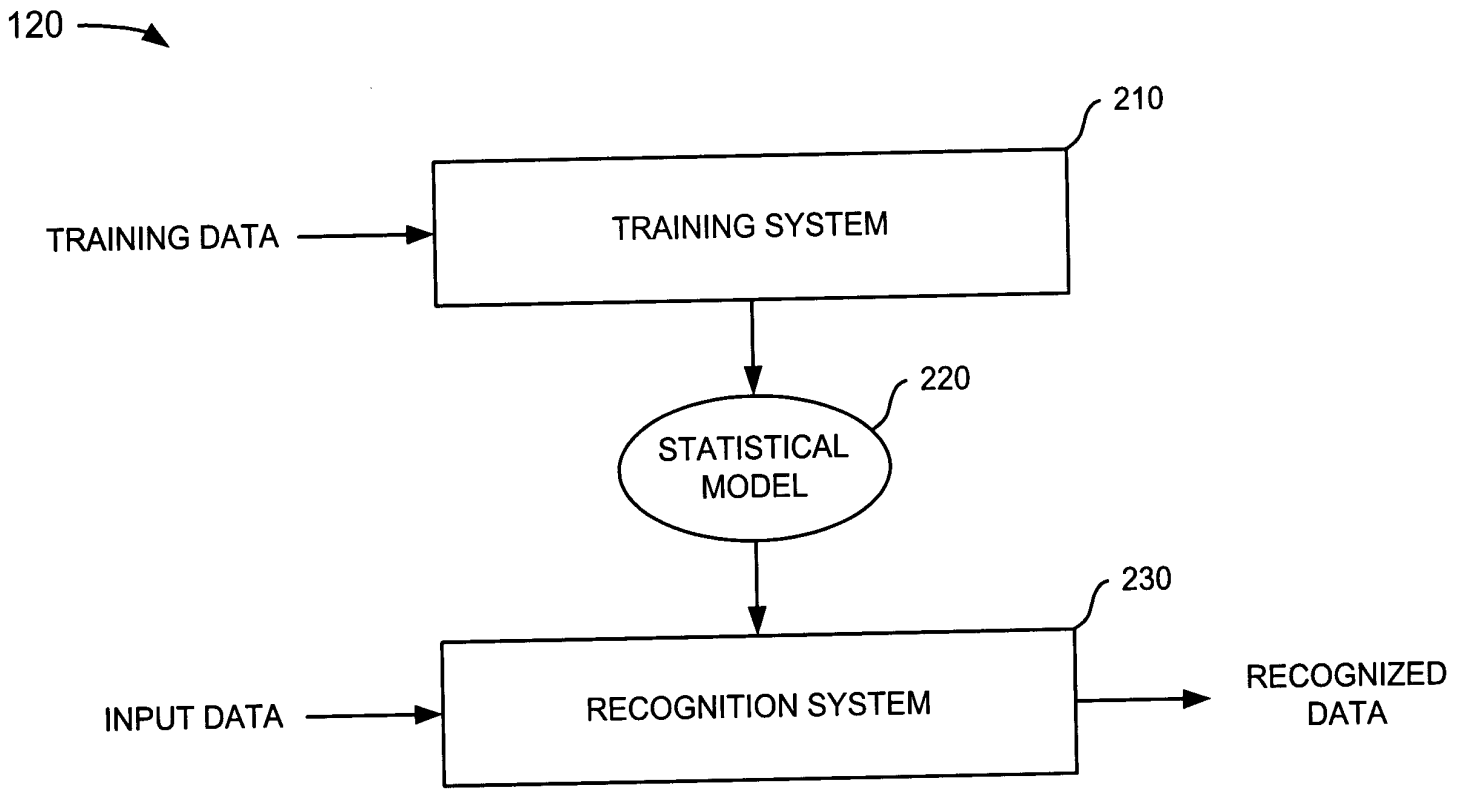
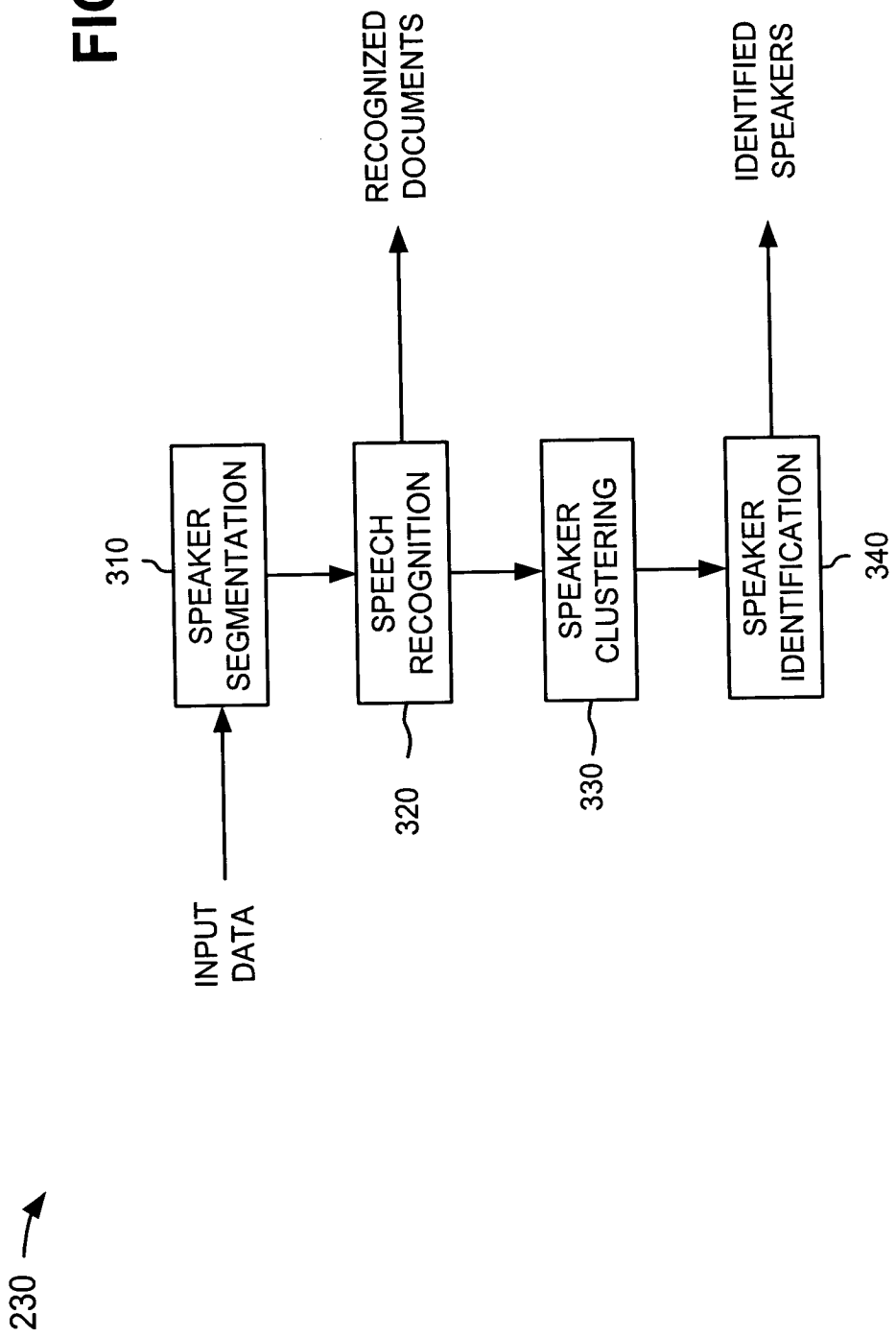

120
210
TRAINING DATA
TRAINING SYSTEM
220
STATISTICAL MODEL
230
INPUT DATA
RECOGNITION SYSTEM
RECOGNIZED DATA

FIG. 2

FIG. 3


230
INPUT DATA
SPEAKER SEGMENTATION
310
SPEECH RECOGNITION
320
SPEAKER CLUSTERING
330
SPEAKER IDENTIFICATION
340
RECOGNIZED DOCUMENTS
IDENTIFIED SPEAKERS

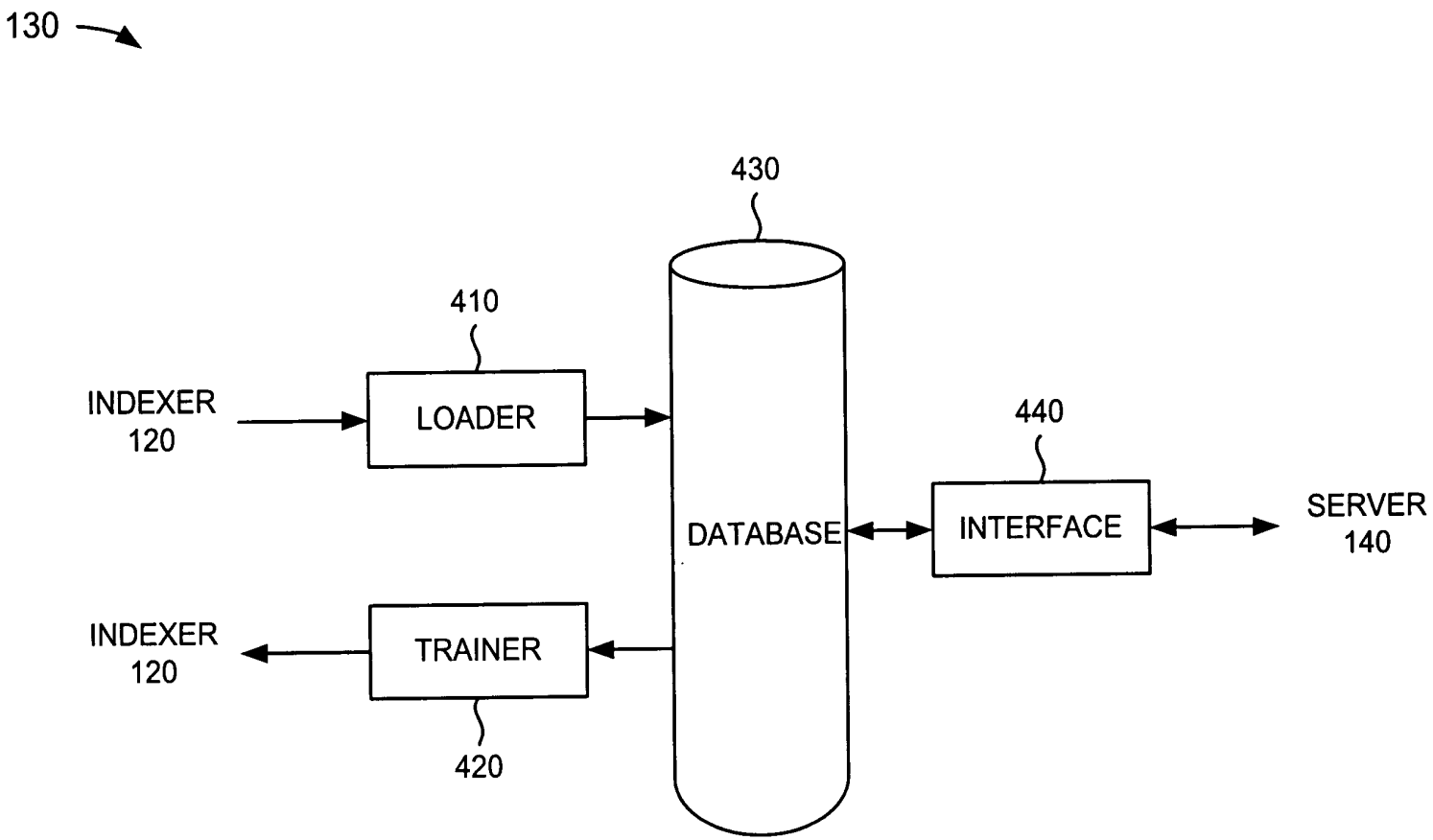

130
430
410
INDEXER
120
LOADER
DATABASE
440
INTERFACE
SERVER
140
INDEXER
120
TRAINER
420

FIG. 4

FIG. 5A

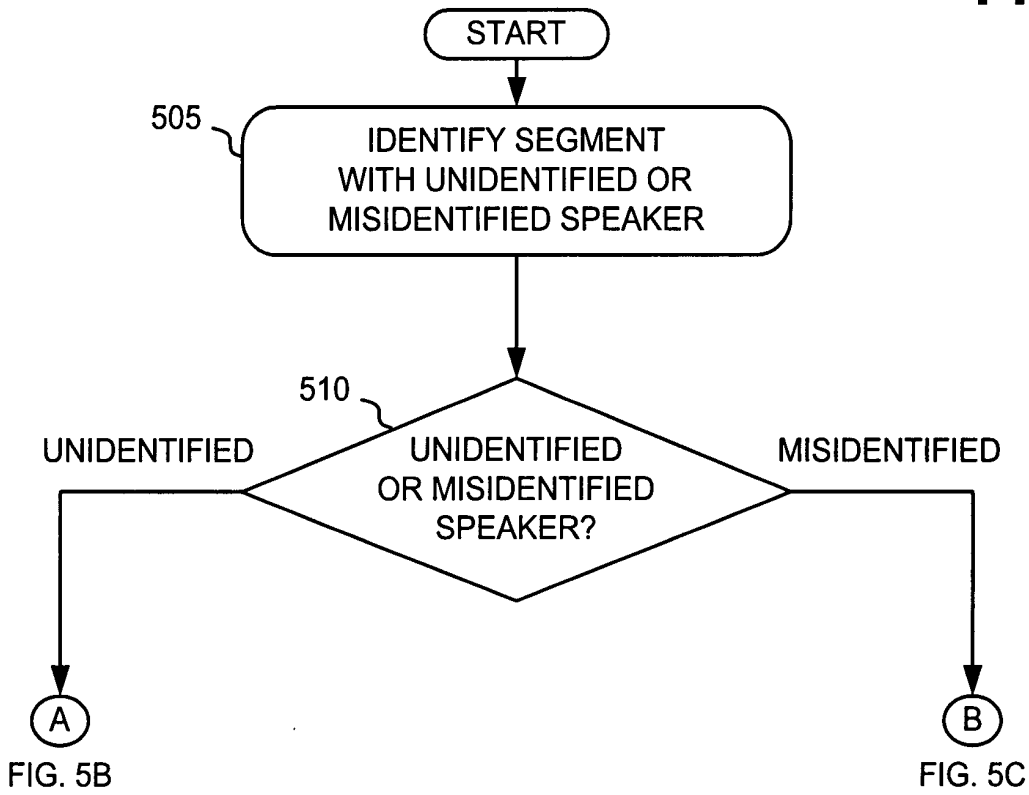


FIG. 5B

FIG. 5C

FIG. 5B

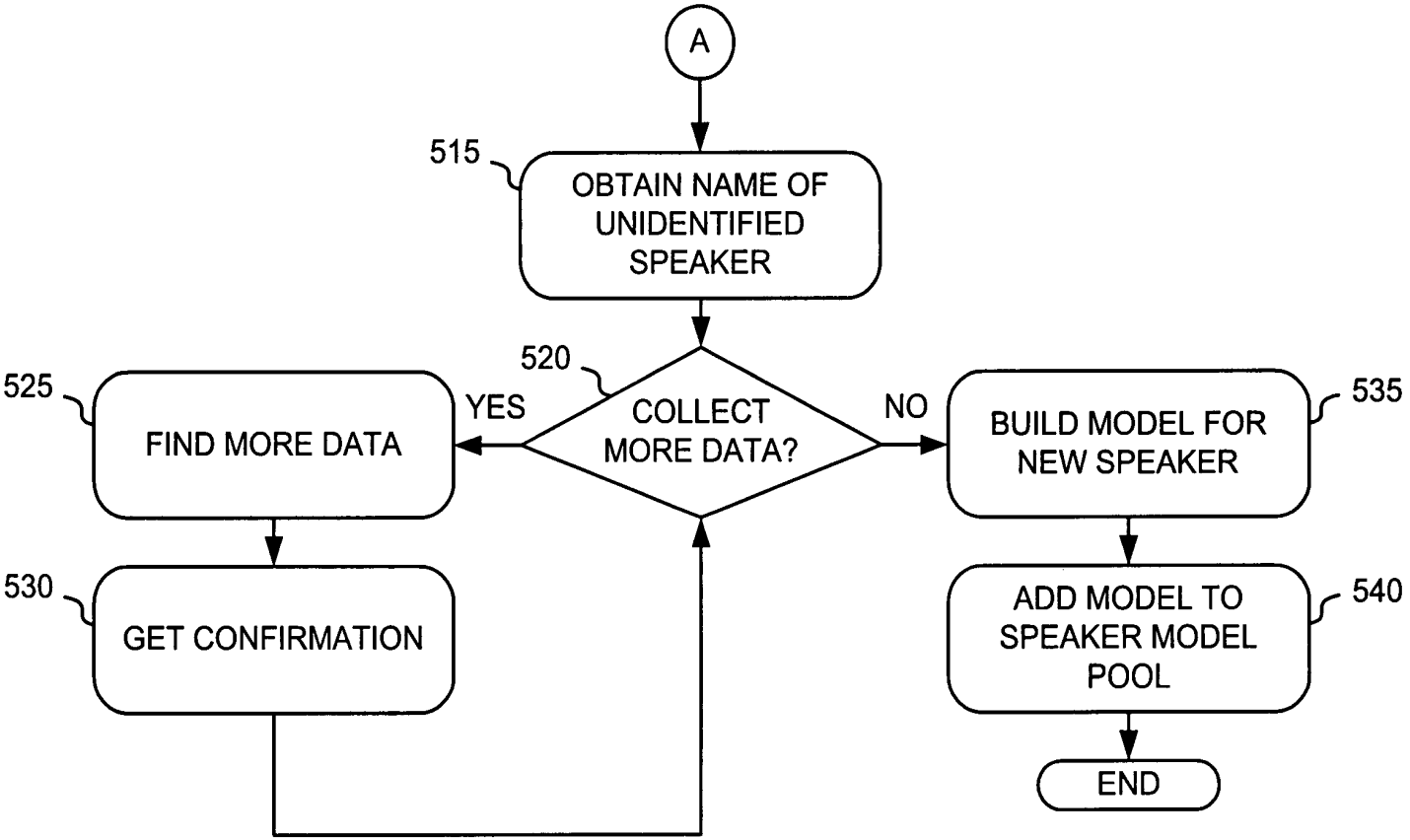
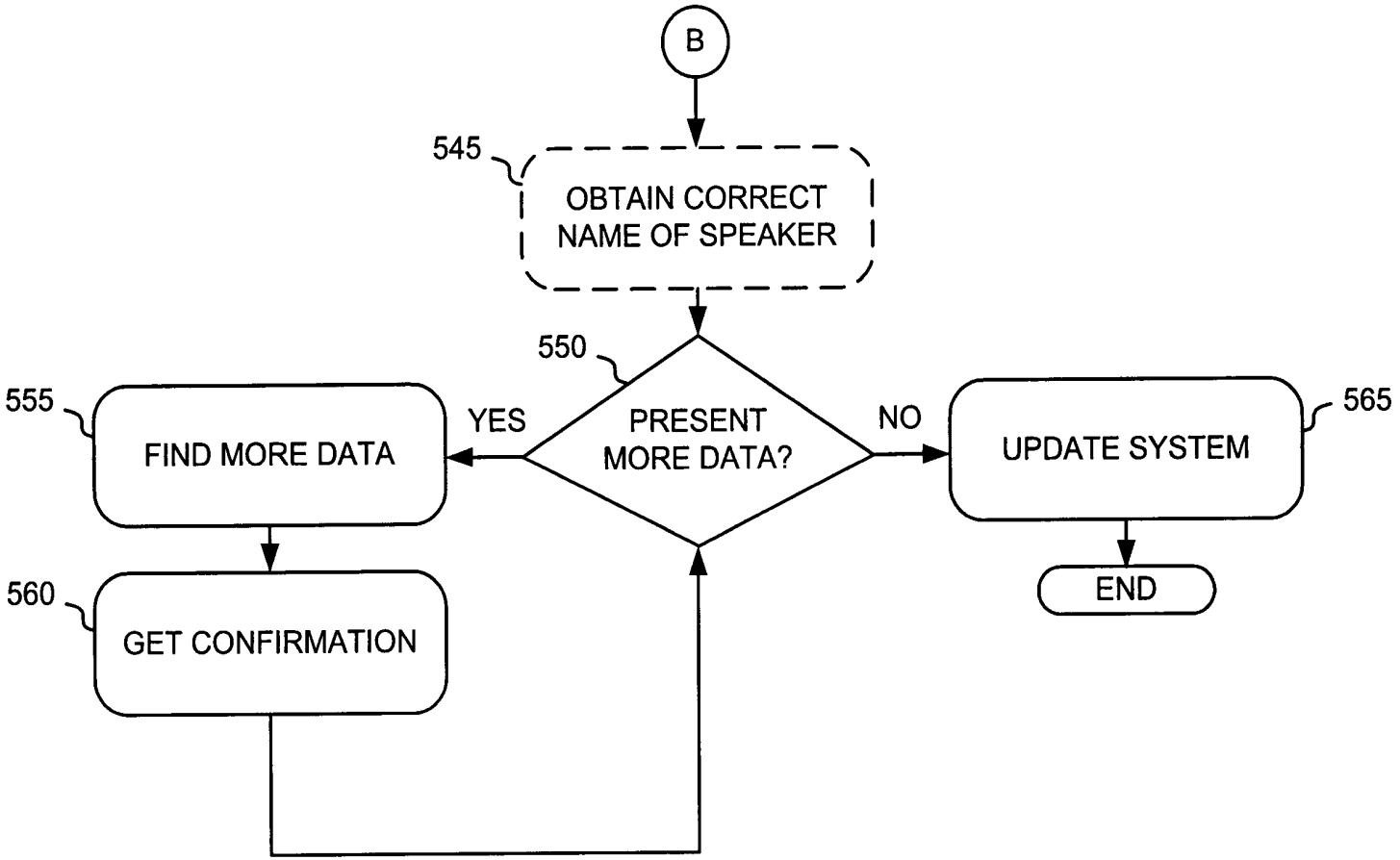

A
515
OBTAIN NAME OF UNIDENTIFIED SPEAKER
520
COLLECT MORE DATA?
YES
NO
525
FIND MORE DATA
530
GET CONFIRMATION
535
BUILD MODEL FOR NEW SPEAKER
540
ADD MODEL TO SPEAKER MODEL POOL
END

FIG. 5C


B
545
OBTAIN CORRECT NAME OF SPEAKER
550
PRESENT MORE DATA?
YES
NO
555
FIND MORE DATA
560
GET CONFIRMATION
565
UPDATE SYSTEM
END

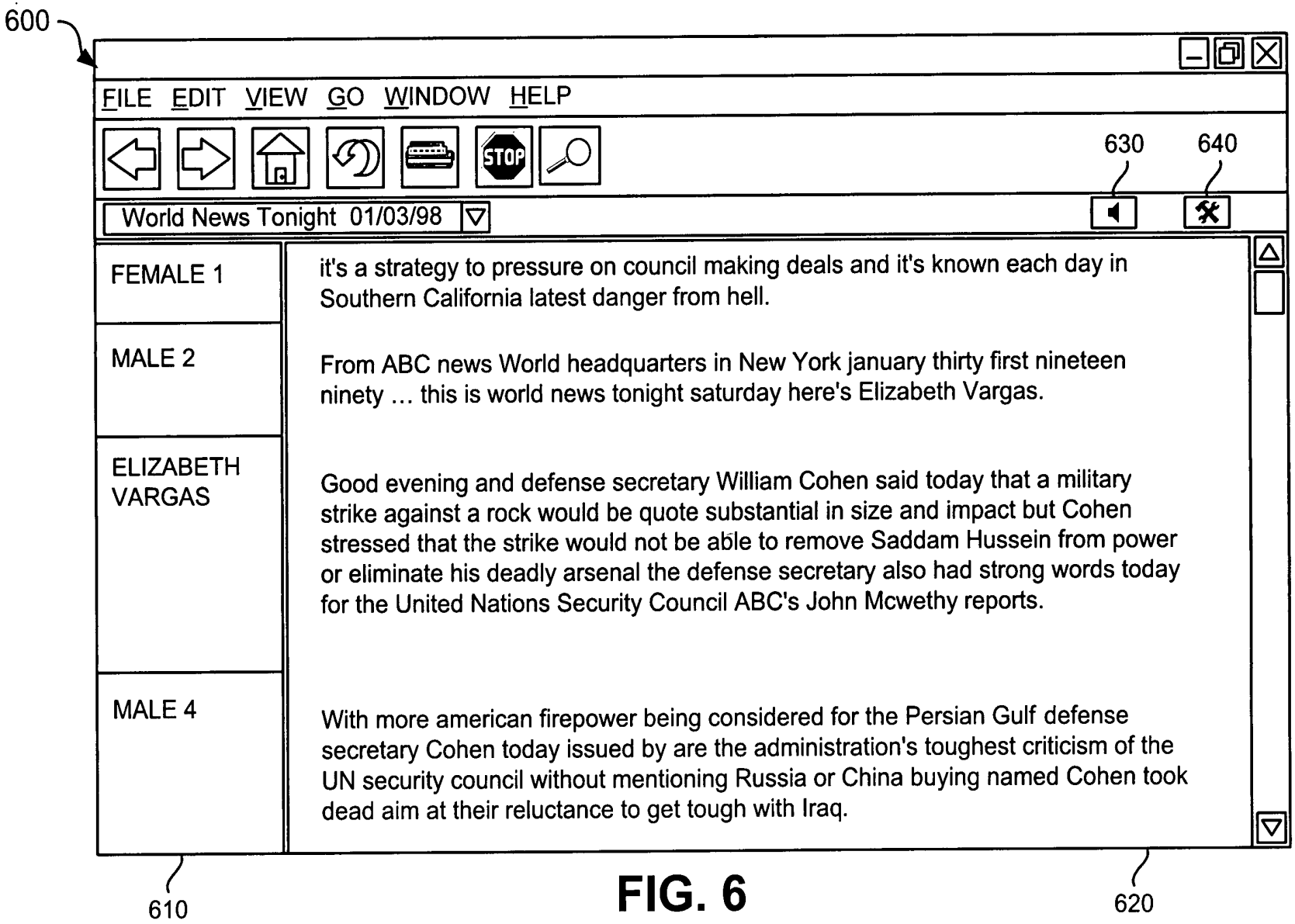

600
FILE EDIT VIEW GO WINDOW HELP
STOP
630
640
World News Tonight 01/03/98
FEMALE 1
MALE 2
ELIZABETH VARGAS
MALE 4
it's a strategy to pressure on council making deals and it's known each day in Southern California latest danger from hell.
From ABC news World headquarters in New York january thirty first nineteen ninety ... this is world news tonight saturday here's Elizabeth Vargas.
Good evening and defense secretary William Cohen said today that a military strike against a rock would be quote substantial in size and impact but Cohen stressed that the strike would not be able to remove Saddam Hussein from power or eliminate his deadly arsenal the defense secretary also had strong words today for the United Nations Security Council ABC's John Mcwethy reports.
With more american firepower being considered for the Persian Gulf defense secretary Cohen today issued by are the administration's toughest criticism of the UN security council without mentioning Russia or China buying named Cohen took dead aim at their reluctance to get tough with Iraq.
610
620

FIG. 6